

ELECTROMAGNETIC HYSTERESIS UNIT

ABSTRACT OF THE DISCLOSURE

The invention is based on an electromagnetic hysteresis unit (1, 23) with magnetic north pole (4) which are arranged to alternate with magnetic south pole (5) on a magnet body (2, 3) in a peripheral direction (15) about an axis of rotation (14) at a distance from the magnetic south poles (5). The magnet body (2, 3) comprises a magnet coil (6). A hysteresis ring (16) connected with a rotor (17) can be moved with a slight play in relation to the poles (4, 5). It is proposed that the peripheral surfaces of the north pole (4) and south pole (5) lie on the same circle and opposite the same peripheral surface of the hysteresis ring (16). Thereby is created a radial construction space for embedding the hysteresis ring (16) in the rotor (17) which consists of material of good heat conductivity and optionally for providing cooling ribs.

09/856728-05404